

## A B S T R A C T

A SYSTEM FOR PROVIDING ASSISTANCE IN REGENERATING  
DEPOLLUTION MEANS INTEGRATED IN AN EXHAUST LINE OF A  
5 MOTOR VEHICLE DIESEL ENGINE

A system in which the depollution means (1) are associated with oxidation catalyst-forming means (2), and the engine (4) is associated with common manifold means (7) for feeding it with fuel, and adapted to implement a regeneration strategy in at least one operation of post-injecting fuel into the cylinders, is characterized in that it comprises: detector means (8) for detecting a regeneration request (req.RG); detector means (9) for 10 detecting a state of the foot being raised on the vehicle accelerator; temperature acquisition means (11) for acquiring the temperature downstream from the catalyst-forming means (2); means (8) for determining a maximum quantity of fuel to be injected in the post-injection 15 operations during the period of returning to idling following the foot being raised, and on the basis of said temperature; and means (7, 8) for immediately interrupting the post-injection operation as soon as the 20 quantity of fuel injected has reached the maximum quantity.

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35 Translation of the title and the abstract as published by the PCT Authorities, possibly after making changes, ex officio, e.g. under PCT Rules 37.2, 38.2, and/or 48.3.